ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)

February 2002

BUDGET ACTIVITY

7 - Operational system development

PE NUMBER AND TITLE

0603778A - MLRS PRODUCT IMPROVEMENT PROGRAM

	COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
	Total Program Element (PE) Cost	62955	99505	57825	7701	6410	10085	11367	0	345725
090	MLRS HIMARS	46189	50703	24510	2993	1984	0	0	0	166510
093	MLRS JOINT TECH ARCHITECTURE	0	1527	6723	4600	2100	1090	0	0	21287
784	GUIDED MLRS	16766	47275	26592	108	2326	8995	11367	0	157928

A. Mission Description and Budget Item Justification: The Multiple Launch Rocket System (MLRS) upgrade (M270A1 and Guided MLRS (GMLRS)) is an Legacy to Objective force missile system that provides precision strike and is essential due to the expansion of regional power threats. This Product Improvement Program (PIP) provides for the maturation of a High Mobility Artillery Rocket System (HIMARS), the Joint Technical Architecture-Army (JTA-A), and the System Development and Demonstration (SDD) of a Guided MLRS (GMLRS) Rocket. The HIMARS will replace M198 towed howitzer and M270 Launchers and allow MLRS capability to be C-130 transportable, mounting one rocket or missile pod on a 5-ton truck. It gives early entry forces immediate fire support within a hot landing zone without waiting for heavy-lift aircraft. The JTA-A will implement the capability for situational awareness in M270A1 and HIMARS launchers and trainers. A multinational GMLRS program will greatly enhance the capability of the existing MLRS, providing greater range, significantly enhanced accuracy, and interoperability among the nations covered under the MLRS Memorandum of Understanding (MOU). The improvement in accuracy and range will reduce the number of rockets required to defeat targets, thus dramatically reducing the logistics burden and increasing crew survivability. These systems support the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

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0603778A - MLRS PRODUCT IMPROVEMENT PROGRAM

B. Program Change Summary	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2002/03 PB)	68886	111389	21324
Appropriated Value	69523	100389	
Adjustments to Appropriated Value			
a. Congressional General Reductions		-884	
b. SBIR / STTR	-521		
c. Omnibus or Other Above Threshold Reductions	-1719		
d. Below Threshold Reprogramming	-3524		
e. Rescissions	-687		
Adjustments to Budget Years Since FY2002 PB	-117		36501
Current Budget Submit (FY 2003 PB)	62955	99505	57825

FY 02 Congressional reduction (-\$11.0 million).

FY 03 funding increase to meet increased development and testing requirements.

ARMY RDT&E BUDGET ITEM JU	STIFI	CATIO	N (R-2	A Exhi	bit)	Fe	ebruary 2	002	
BUDGET ACTIVITY 7 - Operational system development		PE NUMBER 0603778A PROGRA	- MLRS		CT IMPRO	OVEME	NT	PROJECT 090	
COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
090 MLRS HIMARS	46189	50703	24510	2993	1984	0	0	0	166510

A. Mission Description and Budget Item Justification: The High Mobility Artillery Rocket System (HIMARS) fully supports the Army Transformation to a more deployable, affordable, and lethal force. It provides MLRS capability through a lighter weight, more deployable system in both early and forced entry scenarios. Mounted on a medium tactical wheeled vehicle, HIMARS is transportable on a C-130 aircraft, is self-locating and self-loading. It provides full MLRS and Army TACMS (ATACMS) Family of Munitions capability yet requires significantly reduced airlift resources to transport a battery as opposed to a MLRS tracked battery. HIMARS is the Light Force and Objective Force choice for high volume General Support and Reinforcing fire against time-sensitive, high-payoff targets.

HIMARS meets Army's modernization goals for the 21st century, is designated the Army's "Legacy to Objective" Rocket/Missile delivery system, and was selected by Army strategic planners as one of the Army's seven "core" transformation systems.

FY 2001 Accomplishments:

- 44395 Conducted System Design, Test and Integration, and Cost Reduction Initiatives
- Obtained Government Furnished Equipment (GFE), Communications and Trucks; performed technical assessments and prepared documentation
- 1498 Conducted Development Testing (3 Test Articles)

Total 46189

FY 2002 Planned Program

- 39602 Assemble hardware, conduct Contractor Development Test (CDT) and Critical Design Review (CDR)
- 11101 Conduct Extended System Integration Test (ESIT), Automotive Flight Test Series 1 & 2 and Ground Test, Resupply Vehicle and Resupply Trailer Integration Test (3 Test Articles); Perform Technical Assessments and milestone documentation

Total 50703

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit) BUDGET ACTIVITY 7 - Operational system development PE NUMBER AND TITLE 0603778A - MLRS PRODUCT IMPROVEMENT 090 PROGRAM

FY 2003 Planned Program

- 9920 Continue System Design, conduct Functional Configuration Audit (FCA), and develop Integrated Logistics Products (ILP); Integrate and test Horizontal Technology Insertion (HTI) elements for Guided MLRS firing
- 14590 Finalize Resupply Vehicle and Resupply Trailer for FCA and Development Testing, 2nd ESIT and Operational Test (OT), and perform technical assessments and milestone documentation

Total 24510

B. Other Program Funding Summary	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	<u>Total Cost</u>
Missile Procurement, Army	C	C	0	0	0	0	0	0	0
HIMARS Launcher (C03000)	C	C	128402	115554	162174	177057	224280	2098959	2906426
HIMARS Modifications (C67501)	C	C	0	476	485	4699	8657	124365	138682
HIMARS Modifications: Initial Spares (CA0289)	C	C	0	71	72	706	1298	19460	21607
Initial Spares, HIMARS (CA0288)	C	0	0	7659	3633	7672	7828	41300	68092

C. Acquisition Strategy: The First Unit Equipped (FUE) is planned for FY05. The contracting strategy will be sole source.

D. Schedule Profile	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Design IPR 1	1Q						
Development Testing Begins	2Q						
Functional Qualification Test (FQT), Launchers 1-3 Delivered		1Q					
Design IPR 2		1Q					
Functional Configuration Audit (FCA)		2Q					
Launchers 4-6 delivered		3-4Q					
LLI IPR, Milestone C			1-2Q				
Limited User Test				2-3Q			
							-

ARMY RDT&E BUDGET ITEM JUSTII		February 2002						
BUDGET ACTIVITY 7 - Operational system development		ER AND TIT BA - MLF RAM		OUCT IM	PROVE	MENT	PROJ. 090	ECT
D. Schedule Profile (continued)	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	
IOT Ground Test Begins IOT Flight Test Begins				4Q 4Q	1Q			

ARMY RDT&E COST ANALYSIS(R-3) February 2002 BUDGET ACTIVITY PE NUMBER AND TITLE PROJECT 0603778A - MLRS PRODUCT IMPROVEMENT 7 - Operational system development 090 **PROGRAM** FY 2003 FY 2003 I. Product Development Contract Performing Activity & Total FY 2001 FY 2001 FY 2002 FY 2002 Cost To Total Target Method & Location PYs Cost Cost Award Cost Award Cost Award Complete Cost Value of Type Date Date Date Contract a. Risk Reduction/ SS/CPIF & LMMFCS, TX 26804 38868 30618 1-30 9470 1-30 0 105760 0 **Maturation Contract CPAF** b. Cab Improv./ OGA N/A TACOM (S&S) 3961 300 400 1-30 240 1-30 0 4901 0 c . GFE.Comm.Trks & Trls N/A 35 1-3Q 1-3Q 0 3850 0 TACOM & CECOM 2105 1460 250 N/A d. Government Support MRDEC, IMMC, RSA, 3216 2835 4203 1-3Q 929 1-3Q 0 11183 0 **GSA** 36086 42038 36681 10889 0 125694 0 Subtotal: Remarks: MRDEC - Msl Res, Dev & Eng Ctr, IMMC - Integ Matl Mgmt Ctr RSA - Redstone Arsenal, AL, S&S - Stewart & Stevenson GSA - General Services Administration LMMFCS - Lockheed Martin Missile and Fire Control System II. Support Cost Contract Performing Activity & Total FY 2001 FY 2001 FY 2002 FY 2002 FY 2003 FY 2003 Cost To Total Target Method & Location PYs Cost Cost Award Cost Award Cost Award Complete Cost Value of

0603778A (090) MLRS HIMARS

a . Support Contract

Type

Subtotal:

C & CPFF

Item No. 178 Page 6 of 16 372

Date

2Q

300

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Camber Research, AL

Date

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	ARMY RDT&E COST ANALYSIS(R-3)											February 2002					
BUDGET ACTIVITY 7 - Operational system	m developi	ment		060	umber ani 3778A - N O GRAM		ODUCT 1	IMPROV	OVEMENT PROJECT 090								
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Targe Value of Contrac					
a . Test Support	N/A	APG MD,WSMR NM & RTTC RSA	2007	2139	1-3Q	11318	1-3Q	13432	1-3Q	4977	33873	I					
Subtotal:			2007	2139		11318		13432		4977	33873	(
	lissile Range N	lew Mexico															
Remarks: APG MD - Aberde WSMR NM - White Sands M RTTC RSA - Redstone Techn IV. Management Services	Contract		Total	FY 2001	FY 2001	FY 2002	FY 2002	FY 2003	FY 2003	Cost To	Total	Targe					
WSMR NM - White Sands M RTTC RSA - Redstone Techt V. Management Services	nical Test Cente	er, Redstone Arsenal, AL	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date 1-4Q	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date 1-4Q	Cost To Complete	Total Cost	Targe Value o Contrac					
WSMR NM - White Sands M RTTC RSA - Redstone Techn V. Management Services	Contract Method & Type	Performing Activity & Location	PYs Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Cost	Value of Contrac					
WSMR NM - White Sands M RTTC RSA - Redstone Techn	Contract Method & Type	Performing Activity & Location	PYs Cost	Cost 1751	Award Date	2404	Award Date	Cost 89	Award Date	Complete 0	5905	Value o Contrac					

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit) February 2002										
BUDGET ACTIVITY 7 - Operational system developme	nt	00			PRODUC	CT IMPRO	OVEME	NT	PROJECT 093	
COST (In Thousands)	FY 20 Actu	-	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
093 MLRS JOINT TECH ARCHITEC	0	1527	6723	4600	2100	1090	0	0	21287	

A. Mission Description and Budget Item Justification: The JTA-A completes final development of the Joint Variable Message Format necessary to meet the Department of Defense Message Standardization requirement. It also develops and integrates situational awareness capability for both the M270A1 and HIMARS. This development meets the requirement for a digitized M270A1 for the Counterattack Corps by FY04 and a digitized HIMARS for the Interim Division by FY06. The MLRS Launchers are critical to U.S. Forces Korea and the Army Counterattack Corps as well as supporting Army Transformation. Additionally, the JTA-A provides for the development and integration of Selective Availability/Anti-Spoofing Module (SAASM) for the M270A1 and HIMARS. This development makes the M270A1 and HIMARS compliant with the Joint Staff guidance to have weapon systems SAASM compliant by FY07.

This effort is required to meet required JTA-A compliance requirements and enable firing of GMLRS and future ATACMS variants.

FY 2001 Accomplishments:

Project not funded in FY 2001

FY 2002 Planned Program

• Perform Force XXI Battle Command Brigade and Below (FBCB2) applique integration and development testing. Develop, integrate, and test SASSM and Joint Variable Message Format. Develop platform situational awareness requirements.

Total 1527

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)

February 2002

BUDGET ACTIVITY
7 - Operational system development

PE NUMBER AND TITLE
0603778A - MLRS PRODUCT IMPROVEMENT
PROGRAM

PROJECT **093**

FY 2003 Planned Program

• 4488 Design and implement common card interface

• 2235 Perform development testing

Total 6723

B. Other Program Funding Summary	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	<u>Total Cost</u>
Missile Procurement, Army	0	0	0	0	0	0	0	0	0
MLRS Launcher (C65900)	196948	137085	141131	124501	118600	120719	87410	86432	1153506
MLRS Mods(C67500)	16347	23599	31907	27034	20400	15209	10277	129963	280527
MLRS Initial Spares (CA0257)	6397	9909	6731	6651	6536	6327	6418	5100	57177
MLRS Mod Initial Spares (CA0265)	830	862	5759	1304	5956	6158	4449	39700	79625

<u>C. Acquisition Strategy:</u> The Joint Technical Architecture-Army (JTA-A) standards will be implemented for the M270A1 launcher to provide Force XXI capabilities for the First Digitized Corps.

D. Schedule Profile	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Conduct rqts analysis, configure prototype h/w and receive			2-3Q				
common cards, begin integration test			_				
Perform system integration test				1-2Q			

ARMY RDT&E COST ANALYSIS(R-3) February 2002 BUDGET ACTIVITY PE NUMBER AND TITLE PROJECT 0603778A - MLRS PRODUCT IMPROVEMENT 7 - Operational system development 093 **PROGRAM** FY 2001 FY 2002 FY 2003 FY 2003 Target I. Product Development Contract Performing Activity & Total FY 2001 FY 2002 Cost To Total Method & Location PYs Cost Cost Award Cost Award Cost Award Complete Cost Value of Date Date Date Contract Type 1-30 a . Contract (SAASM CPAF LMMFCS, Dallas, TX 3541 0 0 1-3Q 2639 0 6180 0 Support) N/A 982 0 b. Government Support MRDEC,SED,RSA 1167 1-3Q 0 2149 4523 0 0 1167 2639 8329 0 Subtotal: Remarks: LMMFCS - Lockheed Martin Missile and Fire Control System MRDEC - Missile Research, Development and Engineering Center SED, RSA - Software Engineering Directorate, Redstone Arsenal FY 2001 II. Support Cost Contract Performing Activity & Total FY 2001 FY 2002 FY 2002 FY 2003 FY 2003 Cost To Total Target Method & Location PYs Cost Cost Award Cost Award Cost Award Complete Value of Cost Type Date Date Date Contract 0 0 0 0 0 0

Subtotal:

	AKM	Y RDT&E CO	STAN		` ,				Febi	ruary 200		
BUDGET ACTIVITY 7 - Operational syste	em developi	ment		060	umber ani 3778A - M OGRAM		ODUCT 1	IMPROV	EMENT		PROJECT 093	
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Targe Value of Contrac
a . Test Support	N/A	CTSF, Ft. Hood, TX	492	0		0		2234	1-3Q	0	2726	(
			492	0		0		2234		0	2726	(
Subtotal: Remarks: CTSF - Central Te		ility										
		Performing Activity & Location PFRMS Proj Ofc, RSA	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date 1-4Q	FY 2003 Cost 1850	FY 2003 Award Date 1-4Q	Cost To Complete	Total Cost 2900	Targe Value of Contrac
Remarks: CTSF - Central Te IV. Management Services a . In-House Support	Contract Method & Type	Performing Activity & Location	PYs Cost	Cost	Award	Cost	Award Date	Cost	Award Date	Complete	Cost	Value o
Remarks: CTSF - Central Te	Contract Method & Type N/A	Performing Activity & Location PFRMS Proj Ofc, RSA	PYs Cost	Cost 0	Award	360	Award Date	Cost 1850	Award Date	Complete 0	2900	Value of Contrac

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit) February 2002										
BUDGET ACTIVITY 7 - Operational system development		PE NUMBER 0603778A PROGRA	- MLRS		CT IMPR	OVEME	NT	PROJECT 784		
COST (In Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost	
784 GUIDED MLRS	1676	6 47275	26592	108	2326	8995	11367	0	157928	

A. Mission Description and Budget Item Justification: The Guided Multiple Launch Rocket System (GMLRS) is a precision strike, artillery rocket system. Coupled with the High Mobility Artillery Rocket System (HIMARS) launcher platform, the GMLRS provides the warfighter with a highly mobile, rapidly deployable, precision guided munition with a reduced logistics burden effective against counterfire, air defense, light materiel, and personnel targets. The GMLRS is a major upgrade to the M26 series rocket and replaces the aging M26 inventory. GMLRS will integrate a guidance and control package and a new rocket motor to achieve greater range and precision accuracy requiring fewer rockets to defeat targets than current artillery rockets. Since fewer rockets will be required to defeat a target, the logistics burden will be reduced. The GMLRS will also become the primary munition for the artillery units fielded with the M270A1 launcher. The GMLRS is a five nation cooperative program that consists of France, Germany, Italy, U.K. and The United States. FY05 initiates efforts to meet DOD mandate on Insensitive Munitions effort. The GMLRS supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).

Guided MLRS is the baseline for future Artillery Precision Rocket Munitions and is critical to the Army's Objective Force. It meets Army Transformation Objectives and supports Joint Vision 2020 Tenant of Precision Engagement.

FY 2001 Accomplishments:

- 15253 Performed Engineering Design Tests (EDT), Ground and Flight Tests, Hardware Assembly, and conducted Test Results Analysis
- 302 Performed Technical Assessments/Evaluations and Simulation Support
- 1211 Performed Development Testing (8 Test Articles)

Total 16766

	ET ACTIV peratio	NITY nal system development	PE NUMBER AND TITLE 0603778A - MLRS PRODUCT IMPROPROGRAM	PROJECT 784
FY 20	02 Plann	ed Program		
	26675	Conduct Development Engineering, EDT Flight Tests, I	Production Qualification Testing (PQT) Ground and Flight	Tests, Test Analysis (30 Test Articles)
	3502	Perform Integration and Test of Alternative Self Destruc	ct Fuze and Improved Mechanical Fuze	
	1798	Develop Advanced Field Artillery Tactical Data System	(AFATDS) Interface	
	5570	Obtain assets for System Integration and Cold Region T	est (18 test articles)	
	7729	Conduct system test and evaluation activities		
	2001	Perform technical assessments, concept studies, and pre	pare milestone documentation	
otal	47275			
FY 20	03 Plann	ed Program		
	15949	Conduct Development Engineering, Functional Configu	ration Audit, Final Product Definition Data Package (PDI	OP), and System Integration Test
	750	Prepare Technical Assessments and Milestone Document	ntation	
	2750	Perform Integration and test of Alternative Self Destruc	t Fuze	
	2000	Continue AFATDS Interface Development		
	5143	Obtain rockets for Operational Test (30 test articles)		
otal	26592			
	ムロンラム			

ARMY RDT&E BUDGET ITEN	M JUSTII	FICAT	ION (I	R-2A E	xhibit)		Febru	ary 2002	
BUDGET ACTIVITY 7 - Operational system development			BER AND TI 78A - ML RAM		DUCT IN	APROVE	EMENT	PROJE 784	СТ
B. Other Program Funding Summary	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
Missile Procurement Army - ER-MLRS (C65402)	5727	(0	C	0	0	0	0	119296
Missile Procurement Army - GMLRS (C65404)	0	(29698	85001	100873	90394	77995	8109100	8493061

C. Acquisition Strategy: The GMLRS acquisition strategy is a streamlined product improvement program which permits entrance into Low Rate Initial Production (LRIP) and subsequent Full-Scale Production after completion of the System Development Demonstration (SDD) program. The primary objective of the SDD phase is to develop a rocket with greater range and significantly enhanced accuracy with minimum impact on existing MLRS companion hardware and software. This effort will incorporate the results of other development efforts for an alternative self destruct fuze and an improved mechanical fuze as well as increase the range for a new rocket motor. The acquisition alternative most advantageous to the government is a sole source SDD contract with the system prime contractor, Lockheed Martin Missile & Fire Control Systems (LMMFCS), and maximum competition of non-developmental item (NDI) components at the vendor level.

D. Schedule Profile	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
EDT Ground Tests, Ballistic flights 1&2, Motor Qual tests, Final	1-4Q	1-2Q					
SW Integration Test, HWIL Tests	_	_					
EDT Rocket intergration and test, EDT Flight Tests 1&2, Motor		1Q					
Qual Complete							
EDT and PQT Rocket Integration, EDT Flight Tests 3-6, ROFS		2-3Q					
Software FQT							
Functional Configuration Audit (FCA)			1Q				
Facilitization IPR, Final PDDP, MS C			1-3Q				
LRIP Contract Award			3Q				
HIMARS/GMLRS DT Flight Test, Cold Region Test				1-2Q			
1st LRIP Rocket Delivery, Production Verification Test (PVT)					1-2Q		
Initial Operational Test (IOT), Ground and Flight Test					3-4Q		
Full Rate Production Decision, FRP Contract, Initial Operational						2-4Q	
Capability (IOC)							

ARMY RDT&E COST ANALYSIS(R-3) February 2002 BUDGET ACTIVITY PE NUMBER AND TITLE PROJECT 0603778A - MLRS PRODUCT IMPROVEMENT 7 - Operational system development **784 PROGRAM** FY 2003 FY 2003 I. Product Development Contract Performing Activity & Total FY 2001 FY 2001 FY 2002 FY 2002 Cost To Total Target Method & Location PYs Cost Cost Award Cost Award Cost Award Complete Cost Value of Date Date Date Contract Type 1-3Q 1-3Q a . SDD Contract SS & CPAF LMMFCS Dallas, TX 47729 10138 1-30 28428 17960 11438 115693 0 0 b. Government Support N/A MRDEC, IMMC, RSA, 5802 3545 1-3Q 6760 1-3Q 2000 1-3Q 3250 21357 **GSA** 53531 13683 35188 19960 14688 137050 0 Subtotal: Remarks: LMMFCS - Lockheed Martin Missile and Fire Control System MRDEC - Missile Research, Development and Engineering Center IMMC, RSA - Integrated Materiel Management Center, Redstone Arsenal GSA - General Services Administration FY 2001 II. Support Cost Contract Performing Activity & Total FY 2001 FY 2002 FY 2002 FY 2003 FY 2003 Cost To Total Target Method & Location PYs Cost Cost Award Cost Award Cost Award Complete Cost Value of Type Date Date Date Contract a . Support Contract C & CPFF Camber Research, AL 802 300 20 450 20 750 20 1300 3602 0 b . P3I Concept Studies C & TDB TBD 0 0 3Q 0 1500 0 1500 802 300 750 5102 0 1950 1300

Subtotal:

	ARM	Y RDT&E CO	ST AN	ALYS	IS(R-3))			Febr	uary 200	2	
BUDGET ACTIVITY 7 - Operational syste	em developi	ment		060	umber ani 3778A - M OGRAM		ODUCT I	IMPROV	EMENT	•	PROJEC 784	Τ
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Targe Value o Contrac
a . Test Support	N/A	WSMR, NM & Meppen,GE	979	1295	1-3Q	7730	1-3Q	4470	1Q	4750	19224	
Subtotal:			979	1295		7730		4470		4750	19224	
	nite Sands Missi	le Range, New Mexico										
Remarks: WSMR, NM - Wh	Contract Method &	le Range, New Mexico Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award	FY 2003 Cost	FY 2003 Award	Cost To Complete	Total Cost	Value o
	Contract	Performing Activity &										Targe Value o Contrac
Remarks: WSMR, NM - Wh	Contract Method & Type	Performing Activity & Location	PYs Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Complete	Cost	Value o Contra
Remarks: WSMR, NM - Wh IV. Manage ment Services a . In-House Support	Contract Method & Type N/A	Performing Activity & Location PFRMS Proj Ofc, RSA	PYs Cost	Cost 1488	Award Date	2407	Award Date	Cost 1412	Award Date	Complete 2058	Cost 10192	Value (Contra